

Materials Engineering CoP Meeting Agenda

11/17/11

Attendees:

Burnaby – none
El Segundo – none
Cape Town - Anton
Hawaii – none
Pascagoula – Orin
Salt Lake – Tom
Richmond – none
ETC – Kevin, Dave
Reliability COE – Carol-Ann Laughlin (facilitator)
Absent – Jessica (fire recovery meeting), Praneil (off), Shawn (CTU), Jose (off), Matt (C-840 unplanned s/d)

Guests: none

- 10 min - LPS Moment – Kevin – crack in Main Air Blower case at repair shop, while inspecting entered confined space with accumulated solvent fumes, exited and arranged for air movers
- 5 min – Introductions for New Attendees (*be prepared to tell your name, refinery, # years with Chevron, previous employers and/or work locations*) -none



HDN Eff.pptx

- 15 min - Review of SL HDN Effluent Piping Incident – Tom T



P-6831 Suction Line
Failure Analysis.pdf

- 15 min – P-6831 Suction Line Failure Analysis – Orin
- 10 min – NH3 SCC of brass – Orin – E-1532, reactor effluent cooler, HDS getting coker naphtha feed that has changed with new crude, ammonia went from 1 to 20 ppm, effluent HX are gr 443 brass, inlet temperature is 200-250F, water wash is condensate (shell side), trying to get pH samples
 - Need to keep it O2 free (recommended switching to stripped water)
 - MTI recommends keeping pH below 4 to prevent cracking, but that will hurt steel in system
 - Will follow up with Larry Lew
 - Test for ammonia, Cl, and H2S
- 5 min – agenda items for next time and wrap up – Carol-Ann

Dec. LPS moment – Orin

Recent failure(s) – Anton

Share recent creep life analysis - Orin

Gary Y is interested in knowing what the role of Mat Engs is in MOCs

Future topics:

- *Interesting findings-*
 1. *Alky piping at RI (Nov)*
 2. *RI Permasense project (1Q)*
- *Corrosion monitoring*
- *Key reliability threats*
- *NACE and API learnings*
- *New technologies*
- *Corrosion control best practices*